

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A discharge rate and pressure control solenoid valve ~~[[1]]~~ which may be used in a circuit including a low pressure part and a high pressure part, controlling the discharge rate of a low pressure fluid with the aid of a sliding ~~[[18]]~~ spool in a liner ~~[[22]]~~ in which at least one fluid feeding orifice ~~[[22]]~~ in which at least one fluid feeding orifice ~~[[20]]~~ and one fluid exhaust orifice ~~[[21]]~~ are provided, said spool ~~[[18]]~~ being electrically actuated by means of an electromagnet acting in an opposite direction to recoil means ~~[[26]]~~ for closing the passage between the feeding ~~[[20]]~~ and exhaust ~~[[21]]~~ orifices when an electromagnet control current is equal to zero and for gradually opening said passage according to a threshold value of the current, the pressure control being applied to the high pressure fluid, characterized in that the recoil means ~~[[26]]~~ are inserted between the spool ~~[[18]]~~ and a flap device capable of closing an inlet orifice ~~[[30]]~~ in the liner ~~[[22]]~~ of a high pressure fluid and connected to the low pressure fluid feeding orifice ~~[[20]]~~ at least at the position of the spool ~~[[18]]~~ corresponding to a control current less than said threshold value, the recoil means ~~[[26]]~~ being positioned and dimensioned so that the flap is openable when the current is equal to or near zero, in order to cause the pressure to drop in the high pressure circuit.

2 - 14 (Canceled)